

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 4/11/01 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
 Black ink. Color.
 Color drawings are not acceptable until petition is granted.
 Fig(s) _____
 Pencil and non black ink not permitted. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)
 1 full-tone set is required. Fig(s) _____
 Photographs may not be mounted. 37 CFR 1.84(c)
 Poor quality (half-tone). Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)
 Paper not flexible, strong, white, and durable.
 Fig(s) _____
 Erasures, alterations, overwritings, interlineations,
 folds, copy machine marks not accepted. Fig(s) _____
 Mylar, velum paper is not acceptable (too thin).
 Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
 21.0 cm by 29.7 cm (DIN size A4)
 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
 All drawing sheets not the same size.
 Sheet(s) _____
 Drawings sheets not an acceptable size. Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: A4 Size
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: 8 1/2 x 11
 Margins not acceptable. Fig(s) 2-3
 Top (T) _____ Left (L) _____
 Right (R) _____ Bottom (B) _____
6. VIEWS. 37 CFR 1.84(h)
 REMINDER: Specification may require revision to
 correspond to drawing changes.
 Partial views. 37 CFR 1.84(h)(2)
 Brackets needed to show figure as one entity.
 Fig(s) _____
 Views not labeled separately or properly.
 Fig(s) _____
 Enlarged view not labeled separately or properly.
 Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
 Hatching not indicated for sectional portions of an object.
 Fig(s) _____
 Sectional designation should be noted with Arabic or
 Roman numbers. Fig(s) _____
8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
 Words do not appear on a horizontal, left-to-right fashion
 when page is either upright or turned so that the top
 becomes the right side, except for graphs. Fig(s) _____
9. SCALE. 37 CFR 1.84(k)
 Scale not large enough to show mechanism without
 crowding when drawing is reduced in size to two-thirds in
 reproduction.
 Fig(s) _____
10. CHARACTER OF LINES, NUMBERS, & LETTERS.
 37 CFR 1.84(l)
 Lines, numbers & letters not uniformly thick and well
 defined, clean, durable, and black (poor line quality).
 Fig(s) 1-4
11. SHADING. 37 CFR 1.84(m)
 Solid black areas pale. Fig(s) _____
 Solid black shading not permitted. Fig(s) _____
 Shade lines, pale, rough and blurred. Fig(s) _____
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
 37 CFR 1.84(p)
 Numbers and reference characters not plain and legible.
 Fig(s) 2-4
 Figure legends are poor. Fig(s) 1-4
 Numbers and reference characters not oriented in the
 same direction as the view. 37 CFR 1.84(p)(1)
 Fig(s) _____
 English alphabet not used. 37 CFR 1.84(p)(2)
 Figs _____
 Numbers, letters and reference characters must be at least
 .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
 Fig(s) _____
13. LEAD LINES. 37 CFR 1.84(q)
 Lead lines cross each other. Fig(s) _____
 Lead lines missing. Fig(s) _____
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)
 Sheets not numbered consecutively, and in Arabic numerals
 beginning with number 1. Sheet(s) _____
15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
 Views not numbered consecutively, and in Arabic numerals,
 beginning with number 1. Fig(s) _____
16. CORRECTIONS. 37 CFR 1.84(w)
 Corrections not made from prior PTO-948
 dated _____
17. DESIGN DRAWINGS. 37 CFR 1.152
 Surface shading shown not appropriate. Fig(s) _____
 Solid black shading not used for color contrast.
 Fig(s) _____

COMMENTS

- Fig legends far apart from chips of
 (Fig 2-4)

- Flow lines not fully connected of (Fig 1)

REVIEWER WJDATE 8/14/02TELEPHONE NO. 2033058484ATTACHMENT TO PAPER NO. 8

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